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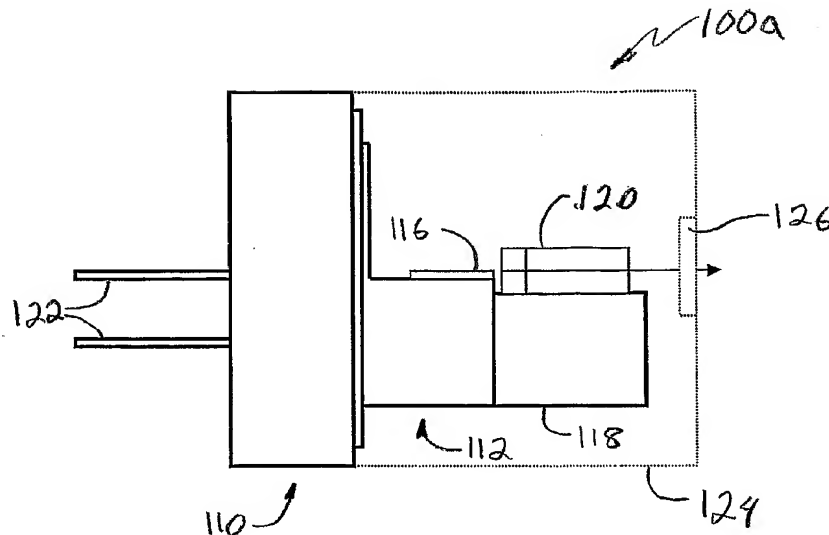
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(54) Title: DIODE-PUMPED MICROLASERS INCLUDING RESONATOR MICROCHIPS AND METHODS FOR PRODUCING SAME



(57) Abstract: One embodiment of a diode-pumped microlaser includes a laser diode pump source and a resonator microchip for producing an output beam, for example, having a wavelength in the green spectral region. The laser resonator microchip may include a laser crystal glued to and aligned with a nonlinear optical crystal. According to one method, a laser crystal wafer and a nonlinear optical crystal wafer are provided and inside surfaces of the wafers are glued to form a bonded wafer assembly. The bonded wafer assembly is diced to form at least one laser resonator microchip.

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